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Claims 1 through 23 stand variously objected to for informalities set forth on page 2 of the Office Action. Similarly, claims 1 through 23 stand rejected under 35 U.S.C. § 112, second paragraph, as set forth on pages 2 and 3 of the Office Action. The claims have been carefully reviewed and are amended herein to correct the noted deficiencies. With respect to the use of the phrase “tangentially and radially” to describe the angular orientation of the chopper roll blades, the claims have been amended to state that the respective blades extend from the circumferential surface of the chopper roll at an angle having a tangential and a radial component. In other words, as clearly seen in the figures and described throughout the specification, the blades do not extend purely radially (normal to) to the surface of the chopper roll and do not extend purely tangentially relative to the chopper roll circumferential surface. It is respectfully submitted that the amendment clearly defines the claimed subject matter in view of the specification and figures.

Claims 1, 13, and 14 stand rejected under § 102(b) as anticipated by Leanna '669. Claims 5 and 17 stand rejected under § 103(a) as unpatentable over Leanna '669.

Claims 18 and 23 are indicated as allowable if amended to overcome the § 112, second paragraph rejections. The respective claims have been amended accordingly and are thus allowable.

Claims 2 through 4, 6 through 12, 15, 16, and 19 through 22 are indicated as allowable if amended to overcome the § 112, second paragraph rejections, and to include all of the limitations of their respective base claim and any intervening claims.

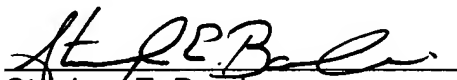
With respect to the rejection of claims 1 and 14 in view of Leanna '669, applicants respectfully submit that the claims patentably distinguish over the cited reference. Claims 1 and 14 call for a combination of elements, including a pair of bedroll blades retractably mounted on the bedroll so as to be movable from a retracted position where they are disposed below the circumferential surface of the bedroll to an extended position radially beyond the circumferential surface of the bedroll so as to engage the web material for a web cutting event. At least this feature is not present in the device of Leanna '669. As noted by the Examiner, the bedroll blades in the Leanna '669 device may be considered elements 32 and 34, as particularly seen in Figs. 4 and 7. However, the pins 32 and cutting bar 34 are non-movably bolted in a recess or slot 31 defined in the surface of the bed roll. At column 13, lines 30 through 34, the reference describes that the cutting bar 34 is "fixed on the bed roll within the slot 31... a short distance ahead of the pins 32." From an examination of the figures of the '669 patent, it can be clearly seen that the pins 32 and cutting bar 34 are non-movably bolted into the slot 31. Thus, the cutting mechanism of Leanna '669 operates in a fundamentally different manner as that set forth in independent claims 1 and 14. Applicants respectfully submit that such claims are allowable over Leanna '669.

Claims 2 through 12 have already been indicated as allowable. Claim 13 depends from claim 1 and is allowable for at least the reasons discussed herein with respect to claim 1. Claims 15 and 16 have already been indicated as allowable. Claim 17 depends from claim 14 and is allowable for at least the reasons claim 14 is allowable.

With the present Amendment, applicants respectfully submit that all pending claims are allowable and that the application is in condition for allowance. Favorable action thereon is respectfully requested. The Examiner is encouraged to contact the undersigned at his convenience to resolve any remaining issues.

Respectfully submitted,

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Claim Worksheets for Application Serial No. 10/025,186 (KCX-489)

1. (Amended) A web cut-off assembly for a rewinder apparatus, comprising:
a bedroll disposed such that web material from a parent roll passes around a circumferential surface portion of said bedroll;

a pair of bedroll blades retractably mounted on said bedroll, said bedroll blades moveable from a retracted position to a protracted position radially beyond said bedroll to engage the web material for a web cutting event;

a chopper roll disposed proximate to said bedroll, said chopper roll comprising a first blade and a second blade extending from a circumference surface of said chopper roll [thereof], said first and second blades rotationally intermeshing with said bedroll blades in said web cutting event;

said first blade extending [tangentially and radially] from said chopper roll circumferential surface at an angle having a tangential and a radial component; and

said second blade having a blade tip segment extending [tangentially and radially] from said chopper roll circumferential surface at an angle having a tangential and a radial component and resiliently mounted to said chopper roll.

2. (Amended) The web cut-off assembly as in claim 1, wherein said blade tip segment of said second blade [extends in a] is non-parallel [plane with respect] to [a plane in which] said first chopper roll blade [extends].

3. (Amended) The web cut-off assembly as in claim 2, wherein said blade tip segment of said second blade is angled towards said [plane of said] first chopper roll blade.

4. (Amended) The web cut-off assembly as in claim 3, wherein [said plane of] said blade tip segment of said second blade is disposed in a plane that crosses [said] a plane [of] in which said first chopper roll blade is disposed at an angle of between about 18 degrees to about 28 degrees.

8. (Amended) The web cut-off assembly as in claim [1] 6, wherein said second blade comprises a third segment angled from said second segment in a direction opposite to said blade tip segment.

14. (Amended) A web cut-off assembly for a rewinder apparatus, comprising:
a bedroll disposed such that web material from a parent roll passes around a circumferential surface portion of said bedroll;

a pair of bedroll blades moveably mounted on said bedroll, said bedroll blades moveable from a recessed position radially within said bedroll to a protracted position radially beyond said bedroll to engage the web material for a web cutting event;

a chopper roll disposed proximate to said bedroll, said chopper roll comprising a first blade and a second blade extending from a circumference surface of said chopper roll [thereof], said first and second blades spaced so as to rotationally intermesh with said bedroll blades in said web cutting event;

said first blade being a cutting blade and non-movably fixed to said chopper roll;
and

said second blade resiliently mounted to said chopper roll.

15. (Amended) The web cut-off assembly as in claim 14, wherein said first blade of said chopper roll extends [tangentially and radially] from said chopper roll circumferential surface at an angle having a tangential and a radial component, and

said second blade extends [tangentially and radially] from said circumferential surface of said chopper roll in a non-parallel relationship to said first blade.

16. (Amended) The web cut-off assembly as in claim 15, wherein said second blade is angled towards [a plane of] said first blade and has a length so as to engage and stretch the web material across said bedroll blades prior to said first blade entering between said bedroll blades and severing the web material.

18. (Amended) A web cut-off assembly for a rewinder apparatus, comprising:
a bedroll disposed such that web material from a parent roll passes around a circumferential surface portion of said bedroll;

a pair of bedroll blades moveably mounted on said bedroll, said bedroll blades moveable from a recessed position radially within said bedroll to a protracted position radially beyond said bedroll to engage the web material for a web cutting event;

a chopper roll disposed proximate to said bedroll, said chopper roll comprising a first blade and a second blade extending from a circumference surface of said chopper roll [thereof], said first and second blades rotationally intermeshing with said bedroll blades in said web cutting event;

said first blade extending [tangentially and radially] from said chopper roll circumferential surface at an angle having a radial and a tangential component ; and

said second blade having a blade tip segment extending [tangentially and radially] from said chopper roll circumferential surface in a non-parallel relationship with said first blade and having a length so as to engage and stretch the web material across said bedroll blades prior to said first blade entering between said bedroll blades to sever the web material.

19. (Amended) The web cut-off assembly as in claim 18, wherein said blade tip segment is angled towards [a plane of] said first blade.

23. (Amended) A web cut-off assembly for a rewinder apparatus, comprising:
a bedroll disposed such that web material from a parent roll passes around a circumferential surface portion of said bedroll;

a pair of bedroll blades moveably mounted on said bedroll, said bedroll blades moveable from a recessed position radially within said bedroll to a protracted position radially beyond said bedroll to engage the web material for a web cutting event;

a chopper roll disposed proximate to said bedroll, said chopper roll comprising a first blade and a second blade extending from a circumference surface of said chopper roll [thereof], said first and second blades rotationally intermeshing with said bedroll blades in said web cutting event;

said first blade extending from said chopper roll circumferential surface at an angle [greater than normal] having a tangential component with respect to said chopper roll; and

said second blade having a blade tip segment extending from said chopper roll circumferential surface at an angle [greater than normal] having a tangential component with respect to said chopper roll but not parallel with said first blade, said second blade also having a middle segment angled from said blade tip segment and providing said second blade with a degree of resiliency, and said second blade further comprising a base segment mounted to said chopper roll against said first blade.